

Data Repository item 2003052

Authigenic K-Feldspar ⁴⁰Ar/³⁹Ar Analytical Data

ID	Watts	Ca/K	Cl/K	³⁶ Ar/ ³⁹ Ar	⁴⁰ *Ar/ ³⁹ Ar	Mol ³⁹ Ar X 10 ⁻¹⁴	% ³⁹ In Step	Cum. % ³⁹	% ⁴⁰ Ar*	Age (Ma)	± Age (1σ) (2σ integ)
90-4-22C, Run ID# 20124/2-02 (J = 0.0152015 ± 0.00002):											
20124/2-02B	0.3	-0.0226	0.0040	0.00058	17.676	0.20	6.5	6.5	99	430.4	1.3
20124/2-02C	0.3	-0.0118	0.0025	0.00002	17.787	0.36	11.5	18	100	432.8	1.0
20124/2-02D	0.4	-0.0040	0.0044	0.00013	18.130	0.45	14.6	32.6	99.8	440.2	1.0
20124/2-02E	0.5	-0.0028	0.0041	0.00018	18.338	0.39	12.5	45.1	99.7	444.7	1.1
20124/2-02F	0.6	-0.0131	0.0042	0.00006	18.219	0.29	9.4	54.5	99.9	442.1	1.1
20124/2-02G	0.6	-0.0172	0.0029	-0.00005	18.342	0.16	5.1	59.6	100.1	444.7	1.2
20124/2-02H	0.8	-0.0180	0.0026	0.00068	17.945	0.10	3.2	62.7	98.9	436.2	1.6
20124/2-02I	0.9	-0.0248	0.0053	0.00063	18.127	0.08	2.4	65.2	99	440.1	1.8
20124/2-02J	1.0	-0.0351	0.0021	0.00048	18.318	0.06	1.8	67	99.2	444.2	2.0
20124/2-02K	1.5	-0.0155	0.0020	-0.00026	18.289	0.12	3.9	70.9	100.4	443.6	1.2
20124/2-02L	2.0	-0.0363	0.0041	0.00023	18.325	0.11	3.6	74.5	99.6	444.4	1.5
20124/2-02M	2.9	-0.0016	0.0036	0.00020	18.035	0.60	19.4	93.9	99.7	438.1	1.0
20124/2-02N	8.8	-0.0119	0.0030	0.00023	17.867	0.19	6.1	100	99.6	434.5	1.1
Integ. Age=										439.2	1.9
90-4-22C, Run ID# 20124/2-01 (J = 0.0152015 ± 0.00002):											
20124/2-01B	0.3	0.0001	0.0053	0.00225	21.408	0.14	5.3	5.3	97	509.5	1.6
20124/2-01C	0.3	-0.0038	0.0034	0.00059	17.958	0.24	9	14.3	99	436.5	1.2
20124/2-01D	0.4	-0.0101	0.0023	0.00005	18.478	0.29	10.6	24.9	99.9	447.7	1.1
20124/2-01E	0.6	-0.0088	0.0028	0.00003	18.559	0.30	11.2	36.1	100	449.4	1.0
20124/2-01F	0.9	-0.0154	0.0024	0.00005	18.603	0.21	7.9	44.1	99.9	450.3	1.2
20124/2-01G	0.7	-0.0161	0.0029	0.00008	18.577	0.15	5.5	49.6	99.9	449.8	1.2
20124/2-01H	0.8	-0.0415	0.0027	0.00022	18.576	0.09	3.5	53	99.6	449.8	1.5
20124/2-01I	0.9	-0.0508	-0.0002	-0.00023	18.849	0.08	2.8	55.8	100.4	455.6	1.6
20124/2-01J	1.0	-0.1150	0.0016	-0.00021	18.956	0.06	2.4	58.2	100.3	457.9	1.8
20124/2-01K	1.4	-0.0540	0.0020	-0.00061	18.940	0.14	5.2	63.4	100.9	457.6	1.3
20124/2-01L	2.0	-0.0346	0.0025	0.00008	18.889	0.16	5.8	69.1	99.9	456.5	1.3
20124/2-01M	2.9	-0.0074	0.0040	0.00012	19.200	0.70	25.7	94.9	99.8	463.1	1.0
20124/2-01N	8.9	-0.0418	0.0014	0.00015	19.460	0.14	5.1	100	99.8	468.6	1.3
Integ. Age=										457.1	2.0
90-4-22C, Run ID# 20124-01 (J = 0.0152015 ± 0.00002):											
20124-01C	0.3	-0.0484	0.0080	-0.00017	18.171	0.06	1.6	1.6	100.3	441.1	5.3
20124-01D	0.3	-0.0081	0.0024	0.00092	17.108	0.21	5.7	7.3	98.4	418.0	2.1
20124-01E	0.4	0.0037	0.0037	0.00016	17.908	0.75	20.6	27.9	99.7	435.4	1.1
•20124-01F	0.5	0.0025	0.0043	0.00013	18.371	1.28	35.1	63	99.8	445.4	1.2
•20124-01G	0.6	0.0004	0.0052	-0.00025	18.418	0.26	7.2	70.2	100.4	446.4	1.7
•20124-01H	0.7	-0.0080	0.0035	0.00030	18.416	0.18	4.9	75.1	99.5	446.3	2.4
•20124-01I	0.8	0.0023	0.0028	0.00018	18.498	0.19	5.1	80.2	99.7	448.1	2.3
•20124-01J	0.9	-0.0021	0.0031	-0.00009	18.371	0.35	9.5	89.7	100.1	445.4	1.5
20124-01K	1.0	0.0023	0.0022	0.00024	17.813	0.26	7.1	96.8	99.6	433.3	1.6
20124-01L	1.5	-0.0815	0.0006	-0.00126	17.797	0.06	1.7	98.6	102.1	433.0	5.5
20124-01O	9.6	0.0461	-0.0035	0.00079	17.427	0.05	1.4	100	98.7	425.0	5.0
Integ. Age=										441.0	2.0
(•) Plateau Age =							61.7			445.9	1.8

Data Repository item 2003052

90-4-22D EXT, Run ID# 5036-01 ($J = 0.03841 \pm 0.0001$):

5036-01A	0.1	0.0368	0.0403	0.00223	6.901	0.11	1.2	1.2	91.3	425.2	5.8
5036-01B	0.2	0.0057	0.0015	0.00022	6.807	1.24	14.6	15.8	99.1	420.0	1.1
•5036-01C	0.3	0.0048	0.0008	0.00013	7.060	1.86	20.6	36.4	99.5	433.9	1.0
•5036-01D	0.4	0.0101	0.0019	0.00026	7.030	1.22	14.9	51.3	98.9	432.3	1.0
•5036-01E	0.5	0.0063	0.0014	0.00008	7.097	0.77	9	60.3	99.7	435.9	1.5
•5036-01F	0.6	0.0090	0.0007	0.00025	7.068	0.44	5.4	65.7	99	434.3	1.6
•5036-01G	0.8	0.0025	0.0017	0.00032	7.061	0.47	5.5	71.3	98.7	433.9	1.9
•5036-01H	1.0	-0.0026	-0.0004	0.00030	7.068	0.37	4.4	75.6	98.7	434.3	2.2
•5036-01I	1.5	0.0023	0.0027	0.00025	7.120	0.49	5.8	81.4	99	437.2	2.5
•5036-01J	2.0	-0.0074	0.0029	0.00014	7.052	0.98	10.6	92	99.4	433.5	1.2
•5036-01K	2.5	-0.0095	0.0026	0.00031	7.131	0.43	4.7	96.8	98.7	437.8	1.9
•5036-01L	3.5	-0.0094	0.0029	0.00018	7.287	0.16	1.9	98.7	99.3	446.3	3.9
•5036-01M	4.5	-0.0465	0.0005	0.00044	7.381	0.12	1.3	100	98.3	451.3	4.7
Integ. Age=										433.0	2.0
(•) Plateau Age =							84.2			434.0	2.0

90-4-22D EXT, Run ID# 5036-02 ($J = 0.03841 \pm 0.0001$):

•5036-02B	0.2	-0.0028	0.0088	0.00065	6.793	0.38	6.2	6.2	97.3	419.2	1.9
•5036-02C	0.3	0.0041	0.0012	0.00037	6.838	0.67	11.4	17.6	98.4	421.7	1.2
•5036-02D	0.4	0.0026	0.0014	0.00023	6.931	0.69	12.4	30	99	426.8	1.2
•5036-02E	0.5	0.0086	0.0019	0.00044	6.906	0.51	8.8	38.9	98.2	425.4	1.5
•5036-02F	0.7	-0.0015	0.0010	0.00024	6.908	0.69	12.3	51.2	99	425.6	1.1
•5036-02G	0.9	0.0081	0.0014	0.00037	6.945	0.41	7	58.2	98.5	427.6	1.9
•5036-02H	1.1	-0.0159	0.0016	0.00015	7.001	0.25	4.3	62.5	99.4	430.7	2.7
•5036-02I	1.5	0.0204	0.0032	0.00069	6.962	0.23	3.9	66.4	97.1	428.5	2.6
•5036-02J	2.0	0.0107	0.0018	0.00053	6.879	0.25	4.3	70.7	97.8	424.0	2.3
5036-02K	2.5	0.0049	0.0029	0.00032	6.958	0.53	8.9	79.6	98.6	428.3	1.5
5036-02L	3.5	0.0161	0.0023	0.00034	7.019	0.63	10.7	90.3	98.6	431.6	1.2
5036-02M	4.5	0.0150	0.0032	0.00058	7.063	0.38	6.7	96.9	97.7	434.0	1.7
5036-02N	8.0	0.0257	0.0033	0.00100	6.931	0.17	3.1	100	95.9	426.8	3.3
Integ. Age=										427.0	2.0
(•) Plateau Age =							70.7			425.0	2.0

90-4-22D EXT, Run ID# 5037B-01 ($J = 0.03841 \pm 0.0001$):

5037B-01A	0.2	0.0503	0.0355	0.00103	6.462	0.43	7	7	95.6	400.9	2.0
5037B-01B	0.3	0.0282	0.0010	0.00018	6.969	0.76	11.9	18.9	99.3	428.9	1.4
5037B-01C	0.4	0.0279	0.0011	0.00013	7.069	0.60	10.2	29.1	99.5	434.4	1.4
5037B-01D	0.5	0.0340	0.0012	0.00027	6.995	0.40	6.4	35.4	98.9	430.3	2.1
5037B-01E	0.7	0.0147	0.0019	0.00023	6.967	0.38	6.2	41.6	99.1	428.8	2.2
5037B-01F	1.0	0.0297	0.0041	0.00033	6.857	0.36	5.8	47.4	98.6	422.8	2.3
•5037B-01G	1.4	0.0227	0.0028	-0.00004	7.013	0.40	6.4	53.8	100.2	431.3	1.9
•5037B-01H	1.8	0.0103	0.0021	0.00015	7.016	0.50	8.4	62.2	99.4	431.5	1.4
•5037B-01I	2.2	0.0138	0.0023	0.00001	7.068	0.92	14.2	76.4	100	434.3	1.1
•5037B-01J	2.6	0.0264	0.0024	0.00017	7.053	0.49	8.2	84.6	99.3	433.5	1.4
•5037B-01K	3.0	0.0336	0.0016	0.00003	7.071	0.34	5.6	90.2	99.9	434.5	2.3
•5037B-01L	3.4	0.0267	0.0013	0.00045	6.973	0.13	2.2	92.4	98.1	429.2	3.0
•5037B-01M	3.9	-0.0146	0.0013	0.00016	7.030	0.11	1.8	94.2	99.3	432.3	3.9
•5037B-01N	4.4	0.0965	0.0026	-0.00019	7.280	0.12	1.9	96.1	100.8	445.9	6.0
•5037B-01P	8.0	0.0160	0.0021	0.00021	7.112	0.24	3.9	100	99.1	436.7	2.5
Integ. Age=										430.0	2.0
(•) Plateau Age =							55.2			433.0	2.0

Data Repository item 2003052

90-4-22D, Run ID# 5038-02 ($J = 0.03841 \pm 0.0001$):

5038-02A	0.2	0.0072	0.0043	0.00029	7.023	1.76	24	24	98.8	431.9	1.1
5038-02B	0.4	0.0014	0.0014	0.00016	7.237	1.79	26.9	51	99.3	443.5	0.9
5038-02C	0.6	-0.0024	0.0032	0.00034	7.375	0.57	8.6	59.6	98.6	451.0	1.7
5038-02D	0.8	-0.0008	0.0067	0.00023	7.576	0.26	3.6	63.2	99.1	461.8	2.7
5038-02E	1.0	0.0274	0.0045	0.00068	7.519	0.20	2.8	66	97.4	458.8	3.1
5038-02F	1.5	0.0168	0.0033	0.00032	7.584	0.41	5.9	71.8	98.8	462.3	2.0
5038-02G	2.0	0.0076	0.0028	0.00022	7.567	0.95	12.9	84.8	99.1	461.4	1.4
5038-02H	2.5	0.0226	0.0023	0.00054	7.324	0.47	6.2	91	97.9	448.3	2.0
5038-02I	3.5	0.0118	0.0030	0.00041	7.195	0.36	5.1	96.1	98.4	441.2	2.3
5038-02J	4.5	0.0194	0.0027	0.00075	7.417	0.26	3.9	100	97.1	453.3	2.8
Integ. Age=										446.0	2.0

90-4-22D INT, Run ID# 5039B-01 ($J = 0.03841 \pm 0.0001$):

5039B-01A	0.2	0.0157	0.0265	0.00080	6.006	0.42	6.8	6.8	96.3	375.4	1.5
•5039B-01B	0.3	0.0175	0.0019	0.00020	6.307	0.50	6.9	13.7	99.1	392.3	1.7
•5039B-01C	0.4	0.0189	0.0026	0.00022	6.415	0.44	6.2	19.9	99	398.3	1.4
•5039B-01D	0.5	0.0248	0.0027	0.00064	6.315	0.23	3.2	23.1	97.1	392.7	2.6
•5039B-01E	0.7	-0.0168	0.0091	0.00020	6.468	0.24	3.2	26.3	99.1	401.3	2.7
•5039B-01F	1.0	0.0139	0.0060	0.00055	6.320	0.24	3.4	29.7	97.5	393.0	2.5
•5039B-01G	1.4	-0.0309	0.0022	0.00043	6.299	0.27	4	33.7	98	391.8	2.2
•5039B-01H	1.8	0.0123	0.0040	0.00035	6.330	0.34	4.9	38.6	98.4	393.6	1.6
•5039B-01I	2.3	-0.0046	0.0026	0.00014	6.346	1.47	21.5	60.1	99.3	394.4	0.6
•5039B-01J	2.8	-0.0028	0.0020	0.00025	6.367	0.54	8	68.1	98.8	395.6	1.0
5039B-01K	3.4	0.0142	0.0025	0.00021	6.508	1.09	16.3	84.4	99.1	403.5	0.8
5039B-01M	4.4	0.0300	0.0032	0.00031	6.522	0.21	3	87.4	98.6	404.3	2.0
5039B-01N	8.0	0.0142	0.0025	0.00019	6.373	0.90	12.6	100	99.1	396.0	0.8
Integ. Age=										395.0	2.0
(•) Near-plateau Age =							61.3			395.0	4.0

90-4-22D INT, Run ID# 5039B-02 ($J = 0.03841 \pm 0.0001$):

5039B-02A	0.2	0.0210	0.0145	0.00106	5.804	0.24	5.2	5.2	94.9	364.0	2.0
5039B-02B	0.3	0.0153	0.0012	0.00038	6.310	0.37	7.6	12.8	98.2	392.4	1.5
5039B-02C	0.4	0.0188	0.0010	0.00023	6.578	0.30	5.9	18.7	99	407.4	2.0
5039B-02D	0.5	0.0524	0.0007	0.00011	6.817	0.16	3.4	22	99.6	420.6	3.7
5039B-02E	0.7	0.0744	0.0029	0.00018	7.085	0.17	3.7	25.7	99.3	435.2	3.7
5039B-02F	1.0	0.0664	0.0050	0.00050	6.865	0.21	4.3	30	97.9	423.2	3.1
5039B-02G	1.4	0.0504	0.0042	0.00060	6.736	0.19	4.2	34.2	97.5	416.1	3.1
5039B-02H	1.8	0.0036	0.0029	0.00024	6.639	0.40	7.8	42.1	99	410.8	1.8
5039B-02I	2.2	0.0032	0.0026	0.00022	6.423	0.88	18.9	61	99	398.8	0.9
5039B-02J	2.6	-0.0046	0.0026	0.00034	6.386	0.49	10	71	98.4	396.7	1.5
5039B-02K	3.0	-0.0682	0.0020	0.00024	6.422	0.24	5.4	76.4	98.9	398.7	2.7
5039B-02L	3.4	-0.0420	0.0023	0.00032	6.357	0.21	4.5	80.9	98.5	395.1	3.3
5039B-02M	3.9	0.0272	0.0025	0.00057	6.113	0.24	4.6	85.5	97.3	381.4	3.2
5039B-02O	5.0	0.0521	0.0026	0.00061	6.112	0.14	3.2	88.7	97.2	381.3	3.6
5039B-02P	8.0	0.0287	0.0025	0.00037	6.245	0.53	11.3	100	98.3	388.8	1.1
Integ. Age=										399.0	2.0

Data Repository item 2003052

91-5-2G, Run ID# 20107-01 ($J = 0.0152319 \pm 0.00002$):

20107-01B	0.2	-0.0080	0.0059	0.00251	13.289	0.23	2.5	2.5	94.7	333.3	1.9
20107-01C	0.3	-0.0058	0.0046	0.00048	13.437	0.56	6.2	8.7	98.9	336.7	1.1
20107-01D	0.4	-0.0016	0.0052	0.00020	13.726	1.12	12.3	21	99.6	343.3	1.0
20107-01E	0.5	-0.0027	0.0031	0.00002	14.153	1.18	13.1	34.1	100	353.0	0.9
20107-01F	0.6	-0.0042	0.0040	0.00003	14.508	1.14	12.6	46.7	99.9	361.0	0.9
20107-01G	0.7	-0.0054	0.0029	0.00016	14.649	0.80	8.9	55.6	99.7	364.2	0.9
20107-01H	0.8	-0.0061	0.0027	0.00028	14.711	0.60	6.6	62.2	99.4	365.6	1.0
20107-01I	0.9	-0.0153	0.0032	0.00016	14.801	0.40	4.4	66.6	99.7	367.6	1.2
20107-01J	1.0	-0.0025	0.0028	0.00001	14.728	0.28	3.1	69.6	100	366.0	1.4
20107-01K	2.0	-0.0014	0.0027	0.00021	14.741	0.78	8.6	78.3	99.6	366.3	1.0
20107-01L	4.0	0.0034	0.0046	0.00021	14.544	1.16	12.8	91.1	99.6	361.9	1.0
20107-01M	9.6	0.0036	0.0026	0.00030	15.178	0.81	8.9	100	99.4	376.1	0.9
Integ. Age=										358.6	1.6

91-5-2G, Run ID# 20107/2-01 ($J = 0.0152319 \pm 0.00002$):

20107/2-01A	0.2	-0.0073	0.0057	0.00274	13.240	0.27	3.3	3.3	94.2	332.2	1.1
20107/2-01B	0.3	-0.0058	0.0036	0.00055	13.802	0.36	4.4	7.7	98.8	345.0	0.9
20107/2-01C	0.3	-0.0028	0.0041	0.00024	13.783	0.61	7.6	15.3	99.5	344.6	0.8
20107/2-01D	0.4	0.0008	0.0034	0.00014	14.083	0.99	12.2	27.5	99.7	351.4	0.8
20107/2-01E	0.5	-0.0016	0.0036	0.00012	14.525	1.14	14.1	41.6	99.8	361.4	0.9
20107/2-01F	0.6	0.0008	0.0038	0.00016	14.787	0.82	10.1	51.7	99.7	367.3	0.9
20107/2-01G	0.6	-0.0022	0.0031	0.00012	14.891	0.55	6.8	58.5	99.8	369.7	0.9
20107/2-01H	0.8	-0.0072	0.0027	0.00004	14.966	0.32	3.9	62.4	99.9	371.3	1.1
20107/2-01I	0.9	-0.0181	0.0020	-0.00045	15.156	0.25	3	65.4	100.9	375.6	1.0
20107/2-01J	0.9	-0.0071	0.0034	0.00010	14.860	0.18	2.3	67.7	99.8	369.0	1.2
20107/2-01K	1.5	-0.0056	0.0032	0.00018	14.804	0.40	5	72.7	99.6	367.7	1.0
20107/2-01L	2.0	-0.0108	0.0037	0.00012	14.517	0.33	4.1	76.8	99.7	361.2	1.0
20107/2-01M	3.1	0.0017	0.0045	0.00036	14.534	0.88	10.9	87.7	99.3	361.6	0.9
20107/2-01N	4.0	-0.0029	0.0034	0.00030	16.290	1.00	12.3	100	99.5	400.8	0.9
Integ. Age=										364.6	1.6

91-5-2G, Run ID# 20107/2-02 ($J = 0.0152319 \pm 0.00002$):

20107/2-02A	0.3	0.0060	0.0058	0.00207	13.319	0.88	8	8	95.6	334.0	0.9
20107/2-02B	0.2	0.0023	0.0037	0.00034	13.880	1.12	10.2	18.1	99.3	346.8	1.0
20107/2-02C	0.3	0.0016	0.0033	0.00020	14.231	1.39	12.6	30.8	99.6	354.8	0.9
20107/2-02D	0.4	0.0007	0.0032	0.00009	14.622	1.62	14.7	45.5	99.8	363.6	0.9
20107/2-02E	0.5	-0.0013	0.0029	0.00014	14.847	1.21	11	56.4	99.7	368.7	0.9
20107/2-02F	0.6	-0.0022	0.0035	0.00016	14.938	0.64	5.8	62.2	99.7	370.7	0.9
20107/2-02G	0.7	-0.0040	0.0039	0.00037	14.905	0.42	3.8	66	99.3	370.0	0.9
20107/2-02H	0.8	-0.0132	0.0023	0.00011	14.933	0.34	3.1	69.1	99.8	370.6	1.1
20107/2-02I	0.9	-0.0152	0.0026	-0.00039	14.982	0.26	2.3	71.4	100.8	371.7	1.0
20107/2-02J	1.0	-0.0199	0.0033	0.00016	14.832	0.23	2.1	73.5	99.7	368.3	1.1
20107/2-02K	1.5	-0.0102	0.0030	0.00010	14.427	0.47	4.2	77.8	99.8	359.2	0.9
20107/2-02L	2.0	-0.0036	0.0035	0.00033	14.335	0.58	5.3	83	99.3	357.1	0.9
20107/2-02M	3.0	-0.0016	0.0036	0.00032	14.506	1.13	10.2	93.3	99.4	361.0	0.9
20107/2-02N	3.5	-0.0060	0.0034	0.00047	15.116	0.43	3.9	97.2	99.1	374.7	1.0
20107/2-02O	4.0	-0.0055	0.0020	0.00031	15.893	0.16	1.4	98.6	99.4	392.0	1.4
20107/2-02P	9.0	-0.0152	0.0033	0.00057	16.927	0.15	1.4	100	99	414.8	1.5
Integ. Age=										360.9	1.6

Data Repository item 2003052

89-11-O2, Run ID# 5034-02 ($J = 0.03841 \pm 0.0001$):

5034-02B	0.2	0.1167	0.0416	0.00305	5.774	0.08	1.8	1.8	86.6	362.2	7.6
5034-02C	0.3	0.0362	0.0254	0.00196	6.584	0.11	2.4	4.2	91.9	407.7	6.4
5034-02D	0.4	0.0249	0.0100	0.00134	7.190	0.10	2.2	6.4	94.8	441.0	6.0
5034-02E	0.5	0.1072	0.0076	0.00334	7.133	0.07	1.5	7.8	87.9	437.9	11.4
5034-02F	0.7	0.0899	0.0160	0.00452	7.374	0.12	2.8	10.7	84.7	451.0	6.1
5034-02G	0.9	0.0205	0.0063	0.00295	8.980	0.13	2.8	13.5	91.1	535.9	6.5
5034-02H	1.1	0.0431	0.0091	0.00358	9.378	0.15	3.3	16.8	89.9	556.3	5.8
5034-02I	1.5	0.0274	0.0032	0.00130	8.384	0.25	5.5	22.4	95.6	504.9	4.0
5034-02J	2.0	0.0048	0.0047	0.00047	7.744	0.84	19.2	41.5	98.2	470.9	1.4
•5034-02K	2.5	0.0086	0.0053	0.00043	7.597	1.26	29.8	71.3	98.4	463.0	1.1
•5034-02L	3.5	0.0168	0.0052	0.00085	7.691	0.67	16.1	87.4	96.8	468.1	1.6
•5034-02M	4.5	0.0017	0.0041	0.00099	7.532	0.36	7.9	95.3	96.3	459.5	2.8
•5034-02N	8.0	0.0187	0.0061	0.00158	7.575	0.21	4.7	100	94.2	461.8	2.9
Integ. Age=										468.0	3.0
(•) Plateau Age =							58.5			464.0	3.0

89-11-5O2, Run ID# 5034B-01 ($J = 0.03841 \pm 0.0001$):

5034B-01A	0.2	-0.1258	0.0540	0.01232	5.725	0.03	1.8	1.8	61.1	359.4	21.4
•5034B-01B	0.3	-0.4631	-0.0077	0.00308	6.809	0.02	1.2	3	88	420.1	28.5
•5034B-01E	0.7	0.4495	0.0081	0.00471	7.493	0.03	2	4.9	84.5	457.4	12.6
•5034B-01F	1.0	0.2063	0.0035	0.00083	7.830	0.04	2.8	7.8	97.1	475.5	8.1
•5034B-01G	1.4	0.0656	0.0081	0.00107	7.523	0.20	13	20.8	96	459.0	2.1
•5034B-01H	1.8	0.0153	0.0083	0.00077	7.441	0.76	50	70.8	97.1	454.6	0.9
5034B-01I	2.2	-0.0020	0.0099	0.00098	7.869	0.25	16.5	87.3	96.5	477.6	1.8
5034B-01J	2.6	-0.1461	0.0075	0.00250	8.107	0.03	2	89.4	91.6	490.2	14.9
5034B-01L	3.4	-0.0786	0.0060	0.00248	7.192	0.06	3.7	93.1	90.7	441.1	10.4
5034B-01N	8.0	-0.1026	0.0092	0.00096	8.071	0.11	6.9	100	96.6	488.3	4.4
Integ. Age=										460.0	3.0
(•) Near-p+A323ateau Age =							69			455.0	10.0

91-5-20P top, Run ID# 21170-01 ($J = 0.0148913 \pm 0.00002$):

21170-01A	0.1	0.0310	0.0053	0.00433	17.462	0.87	6.6	6.6	93.2	418.0	1.1
21170-01B	0.2	0.0171	0.0043	0.00166	18.424	1.04	7.9	14.5	97.4	438.4	1.0
21170-01C	0.4	0.0140	0.0039	0.00251	19.262	0.71	5.4	19.9	96.3	456.0	1.1
21170-01D	0.6	0.0193	0.0045	0.00526	19.898	0.45	3.4	23.3	92.8	469.3	1.3
21170-01E	0.8	0.0267	0.0035	0.00124	20.038	0.36	2.7	26	98.2	472.2	1.1
21170-01F	1.0	0.0419	0.0042	0.00055	19.599	0.49	3.7	29.7	99.2	463.1	1.1
21170-01G	1.1	0.0475	0.0043	0.00026	19.432	0.42	3.1	32.9	99.6	459.6	1.0
•21170-01H	1.2	0.0446	0.0044	0.00053	19.238	0.46	3.5	36.4	99.2	455.5	1.1
•21170-01I	1.4	0.0364	0.0046	0.00041	19.194	0.89	6.7	43.1	99.4	454.6	0.9
•21170-01J	1.6	0.0301	0.0045	0.00073	19.132	1.30	9.8	52.9	98.9	453.3	0.9
•21170-01K	1.8	0.0324	0.0042	0.00084	19.140	1.06	8	60.9	98.7	453.5	1.0
•21170-01L	2.0	0.0285	0.0044	0.00085	19.195	1.03	7.8	68.7	98.7	454.6	1.0
•21170-01M	2.3	0.0206	0.0038	0.00100	19.179	1.67	12.7	81.4	98.5	454.3	0.9
•21170-01N	2.6	0.0214	0.0042	0.00131	19.154	1.92	14.5	95.9	98	453.8	0.9
21170-01S	6.0	0.0295	0.0038	0.00152	19.507	0.39	3	98.9	97.8	461.2	1.1
21170-01U	7.0	0.0146	0.0038	0.00126	20.174	0.14	1.1	100	98.2	475.0	1.3
Integ. Age=										453.0	2.0
(•) Plateau Age =							63.1			454.2	1.3

Data Repository item 2003052

91-5-20P top, Run ID# 21170-02 ($J = 0.0148913 \pm 0.00002$):

21170-02A	0.1	0.0221	0.0055	0.00122	15.011	0.50	6.8	6.8	97.7	364.8	0.9
21170-02B	0.1	0.0100	0.0048	0.00048	17.568	0.29	3.9	10.7	99.2	420.2	1.0
21170-02C	0.2	-0.0005	0.0032	0.00050	18.933	0.21	2.9	13.5	99.2	449.1	1.1
21170-02D	0.4	0.0112	0.0031	0.00131	19.457	0.29	3.9	17.5	98.1	460.1	1.1
21170-02E	0.7	0.0456	0.0041	0.00045	19.417	0.26	3.5	21	99.3	459.3	1.1
•21170-02F	0.9	0.0378	0.0045	0.00017	19.121	0.37	4.9	25.9	99.7	453.1	1.0
•21170-02G	1.1	0.0333	0.0040	0.00023	19.068	0.58	7.8	33.8	99.7	452.0	1.0
•21170-02H	1.2	0.0223	0.0043	0.00020	19.034	0.62	8.4	42.1	99.7	451.3	0.9
•21170-02I	1.4	0.0161	0.0043	0.00045	18.989	1.13	15.2	57.3	99.3	450.3	0.9
•21170-02J	1.6	0.0168	0.0041	0.00062	19.142	1.10	14.9	72.2	99.1	453.5	1.0
21170-02K	1.8	0.0209	0.0044	0.00066	19.351	0.77	10.4	82.6	99	457.9	1.0
21170-02L	2.0	0.0265	0.0040	0.00071	19.511	0.65	8.8	91.4	98.9	461.2	1.1
21170-02M	2.3	0.0667	0.0037	0.00083	19.504	0.54	7.3	98.7	98.8	461.1	1.0
21170-02N	2.6	0.1456	0.0048	0.00066	19.764	0.10	1.3	100	99.1	466.5	1.6
Integ. Age=										447.9	2.0
(•) Plateau Age =							51.2			452.0	1.4

91-5-20P mid, Run ID# 21168-02 ($J = 0.0148913 \pm 0.00002$):

21168-02A	0.1	0.0215	0.0060	0.01258	14.254	0.40	8.9	8.9	79.3	348.1	1.5
21168-02B	0.2	0.0048	0.0038	0.00083	17.092	0.28	6.1	15	98.6	410.0	1.0
21168-02C	0.4	0.0037	0.0044	0.00344	18.579	0.25	5.4	20.3	94.8	441.7	1.2
21168-02D	0.6	-0.0069	0.0031	0.00185	18.866	0.15	3.2	23.6	97.2	447.7	1.3
21168-02E	0.8	-0.0133	0.0043	0.00102	18.843	0.17	3.8	27.4	98.4	447.2	1.2
21168-02F	1.0	-0.0024	0.0040	0.00029	18.636	0.30	6.6	34	99.5	442.9	1.0
21168-02G	1.2	-0.0042	0.0043	0.00035	18.517	0.49	10.7	44.7	99.4	440.4	1.0
21168-02H	1.4	-0.0001	0.0041	0.00046	18.557	0.54	11.9	56.6	99.3	441.2	1.0
21168-02I	1.6	-0.0007	0.0043	0.00071	18.671	0.56	12.2	68.9	98.9	443.6	1.0
21168-02J	1.8	0.0003	0.0040	0.00100	18.847	0.45	9.9	78.8	98.5	447.3	1.1
21168-02K	2.0	-0.0037	0.0044	0.00104	18.942	0.36	7.8	86.6	98.4	449.3	1.0
21168-02L	2.3	0.0005	0.0041	0.00108	19.086	0.37	8.2	94.8	98.4	452.3	1.0
21168-02M	2.6	-0.0206	0.0053	0.00077	19.361	0.09	2.1	96.9	98.8	458.1	1.7
21168-02N	6.9	-0.0097	0.0033	0.00122	19.716	0.14	3.1	100	98.2	465.5	1.3
Integ. Age=										436.0	2.0

91-5-20P mid, Run ID# 21168-01 ($J = 0.0148913 \pm 0.00002$):

21168-01A	0.2	0.0209	0.0062	0.00551	15.112	1.12	13.6	13.6	90.3	367.0	1.1
21168-01B	0.4	0.0125	0.0035	0.00205	19.465	0.41	5	18.7	97	460.3	1.1
21168-01C	0.6	0.0314	0.0047	0.00119	20.383	0.23	2.8	21.5	98.3	479.3	1.2
21168-01D	0.8	0.0407	0.0046	0.00057	19.841	0.26	3.2	24.7	99.2	468.1	1.1
21168-01E	1.0	0.0428	0.0041	0.00027	19.411	0.49	6	30.7	99.6	459.1	1.0
21168-01F	1.3	0.0379	0.0047	0.00039	19.416	1.12	13.6	44.3	99.4	459.2	0.9
21168-01G	1.6	0.0357	0.0043	0.00059	20.031	1.74	21.1	65.4	99.2	472.1	0.9
21168-01H	2.0	0.0554	0.0048	0.00097	20.874	1.72	20.9	86.3	98.7	489.5	1.0
21168-01I	2.5	0.1197	0.0055	0.00117	22.519	0.61	7.4	93.7	98.5	522.9	1.1
21168-01J	3.0	0.4911	0.0073	0.00127	22.608	0.42	5.1	98.8	98.5	524.7	1.2
21168-01K	3.5	0.8145	0.0119	0.00154	23.249	0.10	1.2	100	98.2	537.6	1.7
Integ. Age=										466.0	2.0

Data Repository item 2003052

93-5-3S, Run ID# 20662-01 ($J = 0.01521 \pm 0.00006$):

20662-01B	0.4	0.0154	0.0073	0.00834	17.185	0.15	1.6	1.6	87.5	419.9	1.4
20662-01C	0.7	0.0087	0.0053	0.00345	17.452	0.47	5	6.7	94.5	425.7	1.1
20662-01D	1.0	0.0047	0.0042	0.00090	18.542	0.55	5.9	12.5	98.6	449.3	1.0
20662-01E	1.3	0.0023	0.0039	0.00017	19.365	0.65	7	19.5	99.7	466.8	1.0
20662-01F	1.6	0.0024	0.0045	0.00007	19.766	0.70	7.5	27	99.9	475.3	0.9
20662-01G	2.0	0.0023	0.0034	0.00008	19.778	0.62	6.7	33.7	99.9	475.6	1.0
20662-01H	2.5	0.0023	0.0052	0.00005	19.704	0.44	4.7	38.4	99.9	474.0	1.0
20662-01I	3.0	0.0040	0.0034	0.00005	19.687	0.32	3.4	41.8	99.9	473.7	1.0
•20662-01J	3.5	0.0031	0.0033	0.00003	19.569	0.22	2.3	44.1	100	471.2	1.0
•20662-01K	4.0	0.0008	0.0040	0.00003	19.449	0.17	1.9	46	100	468.6	1.0
•20662-01L	4.5	-0.0012	0.0039	0.00044	19.392	0.19	2	48	99.3	467.4	1.0
•20662-01M	5.0	0.0012	0.0036	0.00001	19.480	0.25	2.7	50.7	100	469.3	1.0
•20662-01N	6.0	0.0012	0.0041	0.00009	19.459	0.44	4.7	55.4	99.9	468.8	1.0
•20662-01O	7.0	0.0022	0.0049	0.00085	19.454	0.53	5.7	61.1	98.7	468.7	1.0
•20662-01P	8.0	0.0013	0.0044	0.00006	19.462	1.18	12.7	73.7	99.9	468.9	1.1
•20662-01Q	9.0	0.0010	0.0045	0.00009	19.558	1.73	18.6	92.3	99.9	470.9	1.0
20662-01R	10.0	0.0016	0.0048	0.00010	19.828	0.71	7.7	100	99.9	476.6	0.9
Integ. Age=										467.0	4.0
(•) Near-p+A504lateau Age =							50.5			469.0	3.0

91-5-3S, Run ID# 20411-01 ($J = 0.0101222 \pm 0.00003$):

20411-01B	0.2	0.0082	0.0076	0.00970	21.327	0.20	1.6	1.6	88.2	353.5	1.4
20411-01C	0.3	0.0126	0.0050	0.00909	26.547	0.71	5.5	7.1	90.8	430.4	1.3
20411-01D	0.4	0.0054	0.0044	0.00357	28.022	1.04	8.1	15.2	96.4	451.5	1.2
20411-01E	0.4	0.0006	0.0036	0.00068	29.421	0.69	5.3	20.5	99.3	471.4	1.1
20411-01F	0.5	0.0005	0.0035	-0.00001	29.895	0.53	4.1	24.6	100	478.1	1.0
20411-01G	0.5	-0.0011	0.0043	-0.00031	30.134	0.29	2.2	26.8	100.3	481.4	1.1
20411-01H	0.6	-0.0014	0.0044	0.00007	30.230	0.52	4.1	30.9	99.9	482.8	1.1
20411-01I	0.7	0.0006	0.0036	0.00014	30.316	0.38	3	33.8	99.9	484.0	1.0
20411-01J	0.7	-0.0052	0.0036	-0.00030	30.205	0.31	2.4	36.2	100.3	482.4	1.1
20411-01K	0.8	-0.0012	0.0046	0.00016	30.103	0.35	2.7	38.9	99.8	481.0	1.0
20411-01L	0.9	0.0000	0.0031	0.00028	29.952	0.29	2.2	41.2	99.7	478.9	1.1
20411-01M	1.0	-0.0031	0.0041	0.00041	29.816	0.23	1.7	42.9	99.6	476.9	1.2
20411-01N	1.2	-0.0039	0.0033	-0.00013	29.910	0.19	1.4	44.3	100.1	478.3	1.2
20411-01O	1.4	-0.0079	0.0041	0.00019	29.549	0.15	1.2	45.5	99.8	473.2	1.3
20411-01P	1.9	0.0075	0.0029	0.00037	29.511	0.22	1.7	47.2	99.6	472.7	1.1
20411-01Q	2.2	-0.0013	0.0034	0.00003	29.616	0.41	3.2	50.5	100	474.1	1.0
20411-01R	2.5	-0.0002	0.0035	0.00020	29.487	0.56	4.3	54.8	99.8	472.3	1.1
20411-01S	3.0	-0.0004	0.0037	0.00003	29.613	1.14	8.8	63.6	100	474.1	1.1
20411-01T	3.3	0.0004	0.0037	0.00011	29.694	1.61	12.5	76.1	99.9	475.2	1.1
20411-01U	3.7	0.0002	0.0036	0.00012	30.072	2.60	20.1	96.3	99.9	480.5	1.1
20411-01V	4.0	0.0018	0.0026	0.00015	30.254	0.48	3.7	100	99.9	483.1	1.1
Integ. Age=										471.0	3.0

Data Repository item 2003052

91-5-19B, Run ID# 20395-01B (J = 0.0101848 ± 0.00003):

20395-01BX	0.2	0.0047	0.0045	0.00331	24.279	3.26	19.7	19.7	96.1	399.6	1.3
20395-01CX	0.3	0.0030	0.0041	0.00023	27.233	4.31	26	45.7	99.8	442.7	1.1
20395-01D	0.4	0.0001	0.0040	0.00009	28.464	3.51	21.2	66.9	99.9	460.3	1.2
20395-01E	0.5	0.0014	0.0044	0.00016	29.468	2.34	14.1	81	99.8	474.6	1.0
20395-01F	0.6	-0.0003	0.0035	0.00015	30.252	1.44	8.7	89.8	99.9	485.7	1.0
20395-01G	0.7	-0.0044	0.0041	0.00007	30.534	0.97	5.8	95.6	99.9	489.7	1.0
20395-01H	0.8	-0.0096	0.0035	0.00004	30.277	0.73	4.4	100	100	486.0	1.0
Integ. Age=										451.0	3.0

91-5-19B, Run ID# 20395-02 (J = 0.0101848 ± 0.00003):

20395-02A	0.1	-0.0008	0.0057	0.00272	12.243	0.48	1.4	1.4	93.8	212.5	0.7
20395-02B	0.2	0.0097	0.0054	0.00219	22.680	1.70	4.8	6.2	97.2	375.8	0.9
20395-02C	0.3	0.0083	0.0047	0.00110	25.225	4.22	12	18.2	98.7	413.5	1.0
20395-02D	0.4	0.0050	0.0043	0.00055	27.689	7.51	21.3	39.5	99.4	449.2	1.1
20395-02E	0.5	0.0038	0.0041	0.00023	29.052	6.91	19.6	59.1	99.8	468.7	1.5
20395-02F	0.6	0.0032	0.0035	0.00011	29.908	6.41	18.2	77.3	99.9	480.8	1.0
20395-02G	0.7	0.0010	0.0039	0.00005	30.875	4.24	12	89.3	100	494.4	1.0
20395-02H	0.8	0.0010	0.0040	0.00015	32.083	3.77	10.7	100	99.9	511.3	1.1
Integ. Age=										460.0	3.0

91-5-19B, Run ID# 20395-03 (J = 0.0101848 ± 0.00003):

20395-03A	0.1	0.0015	0.0059	0.00296	14.506	0.75	2.1	2.1	94.3	249.2	0.7
20395-03B	0.2	0.0046	0.0053	0.00085	23.529	4.22	11.5	13.5	98.9	388.5	0.9
20395-03C	0.2	0.0033	0.0047	0.00039	25.636	4.39	12	25.5	99.6	419.5	1.0
20395-03D	0.3	0.0020	0.0042	0.00024	26.597	4.57	12.4	37.9	99.7	433.5	0.9
20395-03E	0.4	0.0018	0.0044	0.00018	27.183	3.76	10.2	48.2	99.8	441.9	0.9
20395-03F	0.4	0.0012	0.0038	0.00010	27.963	4.16	11.3	59.5	99.9	453.2	1.1
20395-03G	0.5	0.0003	0.0042	0.00006	28.672	3.55	9.7	69.2	99.9	463.3	1.0
20395-03H	0.6	0.0003	0.0034	0.00010	29.400	3.37	9.2	78.4	99.9	473.6	1.1
20395-03I	0.7	-0.0002	0.0041	0.00033	29.985	2.21	6	84.4	99.7	481.9	1.0
20395-03J	0.8	-0.0012	0.0041	0.00034	30.531	1.72	4.7	89.1	99.7	489.6	1.0
20395-03K	1.0	-0.0017	0.0043	0.00058	31.334	1.86	5.1	94.1	99.5	500.9	1.1
20395-03L	1.2	-0.0002	0.0046	0.00055	31.858	1.39	3.8	97.9	99.5	508.2	1.1
20395-03M	1.4	-0.0057	0.0043	0.00073	30.566	0.76	2.1	100	99.3	490.1	1.0
Integ. Age=										446.0	3.0